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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

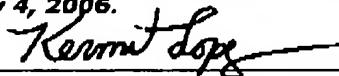
**APPLICANT:** Alex Nugent      **EXAMINER:** Peter Coughlan  
**SERIAL NO.:** 10/730,708      **GROUP:** 2129  
**FILED:** 12/08/2003      **ATTY DKT NO.:** 1000-1214  
**TITLE:** ADAPTIVE NEURAL NETWORK UTILIZING NANOTECHNOLOGY-BASED COMPONENTS

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**CERTIFICATE OF TRANSMISSION BY FACSIMILE**

**Please forward all correspondence to:**  
ORTIZ & LOPEZ, PLLC  
Patent Attorneys  
P.O. Box 4484  
Albuquerque, NM 87196-4484

I hereby certify that this correspondence is being transmitted to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 by facsimile transmission to the following fax number (571) 273-8300 on May 4, 2006.



Kermit Lopez

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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**AMENDMENTS, REPLY AND REQUEST FOR RECONSIDERATION  
UNDER 37 C.F.R. § 1.111**

Dear Sir:

In response to the Office Action dated April 6, 2006 in the above captioned matter, please enter the following amendments and remarks:

Amendments to claims begin on Page 2 of this Paper.

Remarks begin on Page 8 of this Paper.

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SERIAL NO. 10/730,708